Record

A CORRESPONDENT writes: "D. LeRoy Topping died on July 20 in Honolulu, after a long illness. He was born in North Harpersfield, N. Y., on November 2, 1861. Mr. Topping was interested in botanical field work, particularly in ferns, assembling large and important collections not only from various parts of the United States, but also in the Philippines, where he served for many years; in Siberia, where he served with the American Red Cross following the World War; in British North Borneo, particularly on Mount Kinabalu, and in the Hawaiian Islands, where he has lived since his retirement in 1922."

Narrative of Toppings 1915
Kina Balu tho British
North Borneo begins
p. 100

150

ARNOLD ARBORETUM, HARVARD UNIVERSITY
JAMAICA PLAIN
MASS.

Nov.1,1940

Dear Mr.Weatherby:

Ottp Degener of Honolulu sent the Topping book via Mrs.Merrill,and asked that it be placed in the Gray Herbarium. As I acquired from Degener a reasonably representative set of Topping's ferns which eventually will find their places in the Gray Herbarium,it seems that its library is the proper place for Topping's lists and account of his Kina Balu trip.

Very truly yours

E.D.Merrill

E.D.Merrill

Sandaten B. h. B.

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Sand a Sun

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Kudat

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Jesus Christ

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5·40 mc

* 493 – Marai-Parai Spur
Nov. 22-23, 1915

123

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The following spellings and elevations are taken from a map from the Survey by Capt. F.C.LearmouthR.N. H.M.S."Merlin" June 1910.

Mount Kina Balu.
Jesselton, TheCapital,
Usukan.

Khota Balud,	elevation	370	feet
Kibayo,	"	550	"
Keung,	"	1100	"
Kiau,	"	3080	"
XXXXXXXXXXX			
Lobang (cave)	"	4790	"
Kemberanga	"	7040	"
Paka Cave	"	9700	"
Low,s Peak	"	13455	"

Kadamayan River
Tampassuk River

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Please note the spelling of Kina Balu with two capitals. I have my heart quite set on this spelling.

Minitindok Gorge is the same as my Lobang Gorge on my labels and I think the Clemens marked theirs the same as I did as we did not know that it had any specific name until we saw Moultons article.

Shall probably think of many more things for you to note later on but this is all for the present.

Yours sincerely
Topping.

Jan.17th. 191[illegible].

British North Borneo Collection.

1351--1386	Sandakan	October	~~Ø~~ 16-18	1915	
1387--1400	Kudat	"	19	"	
1401--1473	Jesselton	"	20-26	"	
1474--1479	Usukan-Khota Balud	October	27	"	
1480--1499	Khota Balud-Kibayo	"	28	"	
1500--1501	Kibayo-Keung	~~Ø~~"	29	"	
1502--1505	Keung--Kiau	"	30	"	
1506--1579	Kiau	Oct.31--Nov.3		"	
1580--1614	Kiau-Lobang		November	4-5	1915
1615--1634	Gurulau Spur		"	7	"
1635--1636	Kiau		"	8-9	"
1637--1639	Kiau-Lobang		"	10	"
1640--1645	Lobang-Kemberanga		"	11	"
1646--1650	Kemberanga		"	11	"
1651--1659	Kemberanga-Paka Cave		"	11	"
1660--1684	Paka Cave		"	12	"
1685--1703	Paka Cave-Summit Kina Balu		"	13	"
1704--1720	Paka Cave		"	14	"
1721--1759	Paka Cave-Lobang		"	15	"
1760--1798	Lobang		"	16-18	"
1799--1815	Lobang-Kiau		"	19	"
1816--1842	Gurulau Spur		"	21	"
1843--1890	Marai Parai Spur		"	22-23	"
1891--1896	Keung		"	25	"
1897--1910	Keung-Kibayo		"	26	"
1911--1912	Khota Balud-Tuaran		"	28	"
1913--1952	Jesselton		Nov.30-Dec.5		"
1953	Sandakan		December	9	"

My Dear Merrill;

Herewith is some data in regard to our trip which may be of use to now or later on.

Landed at Sandakan Oct.16 1915 and left there Oct. 18
In Kudat Oct 19
Landed at Jesselton Oct 20 and sailed for Usukan on the morning of Oct,27 and went through to Khota Balud that day.
Oct 28 Khota Balud to Kibayo.
Oct 29 Kibayo to Keung.
Oct 30 Keung to Kiau.
Oct 31 to Nov 3 inc. in Kiau
Nov. 4-5 the Chaplain and I made the trip to Lobang (cave) and back going by the way of the Minitindok Gorge.
Nov. 7th I collected on the Gurulau spur.
Nov.10th we started up the mountain (via. the Minitindok Gorge) made Lobang the first day Paka Cave the second.
Nov.12 at Paka Cave.
Nov. 13th. made the top of Low,s Peak.
Nov. 14th. at Paka Cave.
Nov. 15th. Paka Cave to Lobang (cave).
Nov. 16-17-18 at Lobang
Nov 19th. Lobang to Kiau.
Nov. 21st. I collected on the Gurulau spur.
Nov. 22-23 the Chaplain and I made the trip to the Marai Parai spur (Moulton spells it Marei Parei)
Nov. 25th. Thanksgiving Day, I left the Clemens(thank God) at Kiau and came to Keung.
Nov.26th Keung to Kibayo.
Nov.27th Kibayo to Khota Balud.
Nov.28th. Khota Balud to Tuaran.
Nov 29th. Tuaran to Jesselton.
Nov.30-Dec.5th. in Jesselton.
Dec.6th. sailed from Jesselton
Dec. 7th. in Kudat.
Dec. 9th. in Sandakan sailing for Jolo at 6 P.M.

Bonner Ball

1951 – 1953 inc

59

1843 – 1890

1891 – 1896

1911 – 1912

1913 – 1952

1953

1963

1918

1923 - 31

1934 - 35

1941

1946

1951

1953

1955

1958 - 60

1963

1962 - 64

1965

1969

1972 - 7

1977

1986

1915

1917 - 8

Last No 1953

ASCENT OF MOUNT KINABALU.

In forwarding the following account of a recent ascent of Kinabalu for publication, His Excellency the Governor writes as follows:—

"The report of the ascent of Kinabalu made by Miss L. S. Gibbs during February was written at my request by Mr. D. R. Maxwell, Assistant District Officer, Province Keppel, who accompanied that lady. It is characteristic in picturing the expedition as merely a prolonged picnic and I am glad that I am able to record that Miss Gibbs, who was a guest at Government House on her return, whilst giving me a general account of the ascent and of her observations on the botany of the mountain, her special object, informed me also of the vicissitudes which were reduced to a minimum by the way in which Mr. Maxwell managed the expedition at practically a moment's notice since he was not warned to be in readiness. Miss Gibbs paid a tribute to the consideration shown for the comfort of every individual, which was done without impeding progress in any way.

We shall look forward with great interest to the publication of Miss Gibbs' report and in the meantime must congratulate her on being not only the first lady who had made the ascent, but also on the fact that in the interests of Botanical Science she chose the long route via Tambunan, a journey of many days entailing more hardship and discomfort than the actual ascent."

Mr. Maxwell writes as follows:—

As the ascent of Kinabalu will perhaps be again attempted this year, it may not be out of place to write a report on my ascent with Miss L. S. Gibbs.

Geography of Ulu Kadamayan.

Several mountain streams have their source round Kinabalu (*a*) Kadamayan, the main tributaries of which are Kenatak (minor) and Kulapis which flows down from Tenampak, the divide to Bundutuhan and Interior.

(*b*) Kiulan which joins Kadamayan between Kaung and Gahin.

(*c*) Heia Heia which is a tributary of
(*d*) Penokok which is a tributary of
(*e*) Datrobang which is a tributary of
(*f*) Kenataki

all of which hence flow into the Kadamayan a little way above Kaung.

The largest of the above rivers, except of course the Kadamayan, is the Datrobang and all of them run in their own valleys between spurs running out from Kinabalu. They are also all on the S. side of the big Marai Parai spur which culminates in Mt. Nukok (known by Bajaus as Saduk Saduk) under the base of which is Kaung. On the other side of Marai Parai rise the river Melambun (or Limbun) and the bigger river Penataran. The Melambun flows into Kadamayan immediately below Tambatuhan and the Penataran still further seawards.

These rivers all join Kadamayan on the true right. The only river of any size joining Kadamayan on the true left to the ulu is the Kiamat which has its mouth almost opposite Kiau.

The spur of Kinabalu up which one mounts to achieve the ascent of Kinabalu is really the beginning of that range of hills which separates the Interior from ulus Tempasuk, Tuaran, Papar, &c., and extends to near Pangi.

Stages of Ascent.

Headquarters are naturally at Kiau and the first stage is from Kiau to Lobang, an overhanging rock called after a small mountain stream which flows into the true left of Kadamayan It runs just below the cave and hence there is no difficulty about water. The accommodation is ample for a large number of coolies although water would probably run down the rock in wet weather. The deepest part is however, with a few kadjangs, capable of being made quite weather proof. The best way to reach Lobang is to follow the hill from

which were washed out by the rains. The P. L. prisoners were also engaged to clear several small slips.

Leila Road.—The remetalling of this road is nearing completion, but the roller will have to be kept on for a little time longer to roll it down.

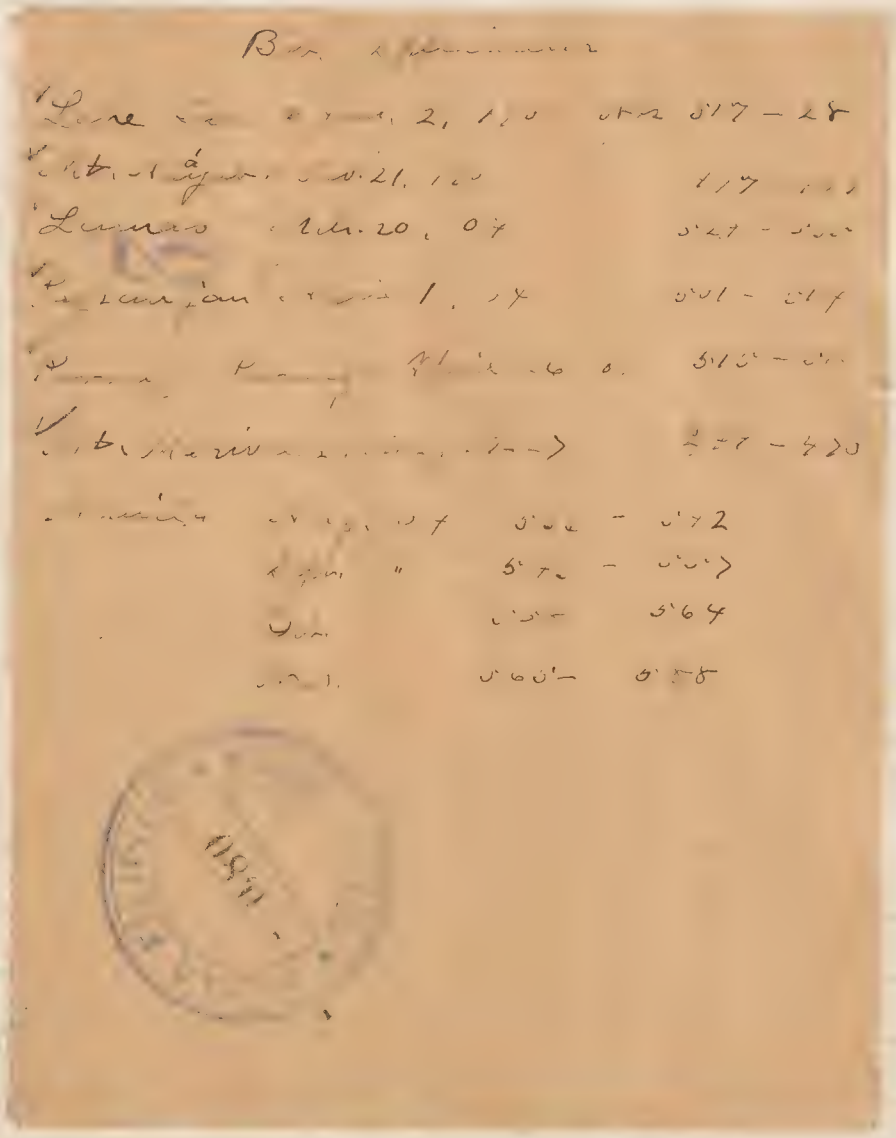
ALEC. JOHNSTON,
Supt. of Public Works.

Tawao.

JANUARY.

P. W. D.—Coolies were employed in cleaning the road at the N. of plain, and deepening ditches. On 20th owing to the non-arrival of rubber seeds, Mr. Morrell was able to let 15 of his coolies join my gang in reconstructing the Estate Road N. of the river to the nursery, about ½ mile in length. The hedge on the W. side was cut down, (land owners were as usual under the impression that the road was their boundary) and the fence was moved back by them to the true boundary. The road will thus get the necessary sunshine with 66 feet of open land. No permanent planting had been done on the encroachment; heavy rain has interfered with the work. The Contractor completed his three ballards for the wharf. His work was delayed by the previous absence in Sandakan of the *Chantek* with which Government had agreed to tow his timber. He lost one raft in trying to sail it over.

Cowie Harbour Coal Co.—During the month 2,646 tons of coal were mined, 2,295 tons were exported including 455 tons in bunkers, 297 tons were sold locally, and 1,127 tons were sent to Sandakan. I visited the Mines on 16th, and returned early on 13th. A Chinese cooly who did not get an empty tub soon enough to please him struck his mandore underground between the eyes with his pick—shaft as the man was riding on a car being drawn up the incline. Fortunately the mandore was dragged aside in time with only a fractured nose. I gave the cooly 2 years R. I.



1217-1224	Wawa Rizal Province	Aug. 13, 1909.
1225	" " "	Sep. 26, 1909.
1226	Between Bauaue & Mayaoyao, Mt. Prov.	Feb. 2, 1910.
1227-1229	Nan ~~Poon~~ Pass, China	Oct. 11, 1910.
1230	Bay, Laguna Province	Nov. 24, 1910.
1231-1240	Mt. Banahao	Apr. 14, 1911.
1241	Near Lelio	Apr. 14, 1911.
1242-1243	Near San Pablo	" " "
1244-1250	Gorge near Montalban	June 19, 1911.
1251-1252	Near Diliman	June 23, 1911.
1253-1263	San Francisco del Monte	July 9, 1911.
1264	Mt. Banahao	Dec. 31, 1911.
1265-1271	North Wales	Sep. 14-22-1912.
1272-1275	Nagasaki Japan	Oct. 16-17- "
1276	Montalban	Oct. 26, 1913.
1277-1279	Between Lucena & Atimonan	Feb. 28, 1914.
1280	Mt. San Cristobal April 10 ~~May 31~~,	"
1281	Mt. Banahao	May 31, 1914

Topping's Ferns, dates and localities.

1282	Atimonan, Tayabas Prov.	Nov.	25,	1914.	
1283	Mauban " " " " "				
1284-86	Cabalete Island, Tayabas Prov.	Nov.	26,	1914	
1287,88	Infanta "		28	"	
1289-96	Mauban "		29	"	
1297-99	Siaian "	Dec.	3	"	
1300-08	Atimonan "		2	"	
1309-10	"		3		
1311-15	"		8		all Luzon
1316	Malicboy		10		
1317-20	between Malicboy and Atimonan		10		
1321-23	Surualong		14		
1324-26	Calauag		14		
1327	Atimonan		16		
1328-29	Talaba		17		
1330	Culiculi, Rizal Prov.		20		

oO

THE GOVERNMENT OF THE PHILIPPINE ISLANDS
BUREAU OF AUDITS
MANILA

Topping,s Collections.

NoS. 589---592	Hong Kong,	Nom. 20 I906.
593--598	" "	Nov. 2I "
599--603	Canton,	Nov. 22 "
604--6II	Hong Kong,	Nov. 23 "
6I2--622	Montalbán,	Dec. 24 "
623--635	Antipolo,	Dec. 3I "
636--642	Santa Mesa	Jan. I2 I907
643--645	Manila,	" 20 "
646--65I	Novaliches,	Feb. I0 "
652--655	Guadalupe	" I7 "
656--678	Los Banos	" 22 "
679--697	" "	" 23 "
698--704	Diliman	MCh. I0 "
705--7I8	Los Banos	Mch. 28 I907
7I9--740	Mt.Maquiling,	Mch. 29, I907
74I--747	SanFrancisco del Monte	April 7 I907.
748--749	Manila	April I0 "
750--752	Novaliches,	April I4, I907.

D. LeRoy Topping,

May 20, I907.

List of botanical collection made by D. Le Roy Topping at Vladivostok and vicinity during the Summer of 1919. (add 2000 to the number on original label)

No. 2001-2005	May	4 1919.	Vladivostok
2006-2010	"	11	" - First River
2011-2016	"	18	"
2017	"	20	" [illegible] Park
2018-2046	"	26	Russian Island, near Officer's School
2047-2064	"	30	" "
2065-2074	June	1	Vladivostok - First River
2075-2076	"	7	" - second River
2077-2100	"	8	Russian Island
2101	"	12	" "
2102-2106	"	25	Churain
2107-2122	"	18	Russian Island
2123-2132	"	18	Vladivostok
2133-2139	"	20	Fortress No. 2
2140-2142	"	23	Vladivostok
2143-2146	"	27	"
2147	"	28	"
2148-2161	"	30	Evacuation Hospital
2162-2169	"	29	Russian Island
2170-2178	July	4	Vladivostok
2179	"	4	" - Base Ball Grounds
2180-2[illegible]	"	[illegible]	Near sea shore (Monaco)

[illegible]	"	12	Vladivostok
2346-2353	"	12	Russian Island
2354-2363	"	17	Vladivostok
2365-2372	"	[illegible]	Chemsky - Bay of Amur
[illegible]	"	[illegible]	Vladivostok
[illegible]	"	24	"
[illegible]	"	[illegible]	"
[illegible]	"	[illegible]	Evacuation Hospital
[illegible]	"	[illegible]	Russian Island
[illegible]	August	2	Vladivostok
[illegible]	"	2	Near sea shore (Monaco)
[illegible]	"	14	Russian Island, Czech Hospital
[illegible]	"	[illegible]	Vladivostok
[illegible]	"	[illegible]	"
[illegible]	"	[illegible]	"
[illegible]	"	[illegible]	Russian Island,- Radio Station
[illegible]	"	[illegible]	Vladivostok
[illegible]	"	[illegible]	"
[illegible]	Sept.	6	" - Second River
[illegible]	"	7	Gornesty
[illegible]	"	12	Vladivostok
[illegible]	"	17	" - First River
[illegible]	"	[illegible]	Near sea shore (Monaco)
[illegible]	"	[illegible]	Russian Island
[illegible]	"	[illegible]	Evacuation Hospital
[illegible]	"	[illegible]	Russian Island
[illegible]	Oct.	[illegible]	Fortress No. 6

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[illegible]	[illegible]	Batán	[illegible]	[illegible]	Oct.	15-17.		"
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1032-48	Wawa, Rizal Province	September 27th, 1908.
1049	Manila	October 6th, 1908.
1050-59	Wawa, Rizal Province	October 11th, 1908.
1060-69	Wawa, Rizal Province	December 13th, 1908.
1070	Benguet Road, Mt. Province	January 12th, 1909.
1071	Antimock, Mountain Province	January 14th, 1909.
1072	Near Camp John Hay, Mountain Province	January 15th, 1909.
1073-81	Trinidad Road, Mt. Province	January 15th, 1909.
1082-1110	Sablan Trail, Mt. Province	January 18th & 19th, 1909.
1111-78	Haight's Place, Mountain Province	January 23-28, 1909.
1179-1212	Mount. Santo Tomas, Mountain Province,	February 2-3, 1909.
1213-14	Baguio, Mountain Province	February 4th, 1909.
1215	Benguet Road, Mt. Province	February 6th, 1909.
1216	Wawa, Rizal Province	May 2nd, 1909.

1005-6	Wawa, Rizal Province	July 4th, 1908.
1007	Wawa, Rizal Province	July 5th, 1908.
1008	Navotas, Rizal Province	July 12th, 1908.
1009	San Juan, Rizal Province	July 20th, 1908.
1010	Wawa, Rizal Province	August 2nd, 1908.
1011-15	Wawa, Rizal Province	August 13th, 1908.
1016	San Juan del Monte, Rizal Province	August 16th, 1908.
1017-18	San Juan del Monte, Rizal Province	August 22nd, 1908.
1019	San Juan del Monte, Rizal Province	August 23rd, 1908.
1020-24	Maraquina Road, Rizal Province	August 23rd, 1908.
1025-31	Wawa, Rizal Province	August 30th, 1908.

[illegible] Polycyclic [illegible] 21.

[illegible] Anglicus, Anglicus Bonet.

[illegible] [illegible] 31.

[illegible] Glandular [illegible] Bonet.

[illegible] Calculus [illegible] Bonet.

[illegible] Tuberculosis Bolivianus

[illegible] Anglicus

[illegible] [illegible] [illegible] [illegible]

[illegible] Angeiolic [illegible] Bonet.

[illegible] Sympathetic [illegible] Bonet.

[illegible] Thesis

[illegible] Megacolitis [illegible] [illegible].

[illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] Bonet.

[illegible] Intelligential [illegible] ([illegible])

[illegible] Degenerative [illegible] [illegible] .

[illegible] X [illegible] [illegible] [illegible] [illegible].

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[illegible] Tephrosia [illegible]

[illegible] Albizzia [illegible] Pl.

[illegible] Polygala [illegible] Pl.

[illegible] Albizzia [illegible] Pl.

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[illegible] Chrysopogon [illegible]

[illegible] Eragrostis

[illegible] Pennisetum [illegible] Pl.

[illegible] Cynoglossum [illegible] Gm.

[illegible] [illegible] [illegible] Gm.

[illegible] Fimbristylis

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[illegible] Ulmus [illegible] Gm.

[illegible] Kyllinga [illegible] Gm.

[illegible] Cyperus

[illegible] Deflection.

[illegible] Polynomial [illegible] Pl.

[illegible] Polynomial [illegible] Pl.

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[illegible] Chebyshev [illegible] S_1.

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[illegible] Chebyshev [illegible] Pl.

[illegible] Legendre [illegible] Pl.

[illegible] Spline [illegible] Pl.

[illegible] Polynomial [illegible] Pl.

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[illegible] Polynomial [illegible] [illegible]

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[illegible] Chebyshev [illegible] Pl.

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[illegible] Sampling

[illegible] Confusion

[illegible] Confusion

[illegible] Amplitude [illegible] Ex.

[illegible] Subgroup 1a

[illegible] Chromosome pattern Ex.

[illegible] Allocation

[illegible] Technologie

[illegible] Results

[illegible] Allocation

Topping Philippine Ferns.

No.
1005 Pteris ensiformis Burm.
1006 Drynaria descensa Copel.
1007 Polypodium myriocarpum Mett.
1008 Drynaria quercifolia (L.)
1009 Adiantum philippense L.
1010 Lygodium flexuosum Sw.
1011 Adiantum macrophyllum Sw.
1012 Adiantum caudatum L.
1013 Selaginella
1014 Doryopteris ludens J. Sm.
1015 Pteria parviloba Christ
1016 Adiantum philippense L.
1017 Cheilanthes tenuifolia
1018 Notochlaena densa J.Sm.
1019 Notochlaena densa J.Sm.
1020 Ceropteris calomelanus (L.) Und.
1021 Cheilanthes tenuifolia Sw.
1023 Adiantum philippense L.
1024 Hemionitis arifolia (Burm.) Moore.
1025 Lygodium flexuosum Sw.
1026 Trichomanes bipunctatum Poir?
1027 Lygodium circinnatum Sw.
1028 Polypodium myriocarpum Mett.
1029 Pteris cretica L.
1030 Adiantum philippense L.
1031 Hemiogramma latifolia Copel.
1032 Asplenium macrophyllum
1033 Polypodium myriocarpum Mett.
1034 Hemiogramma latifolia Copel.
1036 Adiantum philippense L.
1038 Lygodium circinatum Sw.
1039 Selaginella
1040 Pteris longipes Don.
1041 Pteris ensiformis Burm.
1042 Selaginella

1043 Doryopteris ludens J.Sm.
1044 Adiantum caudatum L.
1045 Athyrium loheri Christ.
1046 Adiantum alatum Copel.
1047 Selaginella
1048 Nephrolepis hirsutula Presl?
1049 Selaginella
1050 Drynaria descensa Copel.
1051 Cyclophorus adnascens (Sw.)
1052 Adiantum alatum Copel.
1053 Pteris longipes Don.
1054 Polybotria apiifolia Hook.
1055 Asplenium macrophyllum
1056 Davallia elegans Sw.
1057 Polypodium myriocarpum Mett.
1059 Athyrium loheri Christ!
1060 Trichomanes bipunctatum Poir?
1061 Dryopteris luerssenii (Harr.)C.Chr.
1062 Selaginella
1063 Cyclopeltis presliana J. Sm.
1064 Selaginella
1065 Antrophyum reticulatum Klfs.
1066 Selaginella
1068 Polypodium myriocarpum Mett.
1069 Polypodium myriocarpum Mett.
1070 Adiantum capillaris-veneris L.
1071 Tectaria crenata ~~Copel.~~ Cav.
1072 Hymenolepis spicata (L. fil) Pr.
1073 Polypodium benguetense Copel.
1074 Onychium japonicum (Thbg.) Kze.
1079Microlepia strigosa (Sw.)Presl.
1081 Cyclophorus sticticus J. Sm.
1082 Odontosoria chinensis J. Sm.

Topping Philippine Ferns....2

No.
1083 Odontosoria chinensis J. Sm.
1084 Odontosoria retusa J. Sm.
1085 Odontosoria chinensis J. Sm.
1086 Odontosoria retusa J. Sm.
1087 Davallia embolostegia Copel.
1088 Polypodium membranaceum Don.
1089 Cyclophorus varius (Klf.)
1090 Cyclophorus varius (Klf.)
1091 Polypodium accedens Bl.
1093 Asplenium
1094 Vittaria lineata (L.) Sm.
1095 Antrophyum reticulatum Klf.
1096 Lycopodium squarrosum Forst?
1097 Antrophyum reticulatum Klf.
1098 Polypodium decrescens Christ.
1099 Selaginella
1100 Nephrolepis acuta Presl.
1101 Gleichenia linearis (Burm.)Bedd.
1102 Gleichenia linearis (Burm.)Bedd.
1103 Cyclophorus varius (Klf.)
1104 Polypodium benguetense Copel.
1105 Asplenium
1106 Dryopteris crenata (Forst.) Ok.
1108 Leucostegia hymenophylloides (Bl.) Bedd.
1109 Polypodium palmatum Bl.
1110 Selaginella
1111 Lycopodium volubilis Forst
1112 Polypodium palmatum Bl.
1113 Vittaria lineata (L.) Sm.
1115 Hymenophyllum
1116 Asplenium lepturus J. Sm.
1117 Polypodium caespitosum (Bl.) Mett.
1118 Polypodium hirtellum Bl.

1119 Lindsaya cyathicola Copel.
1120 Diacalpe aspidioides Bl.
1121 Cyathea fuliginosa Christ
1123 Humata immersa var.
1124 Selaginella
1125 Prosaptia contigua Presl
1126 Polystichum batjanense Christ
1127 Asplenium elmeri Christ
1129 Plagiogyria pycnophylla Mett
1130 Polypodium gracillimum Copel.
1131 Plagiogyria glauca var. Philippinensis Christ
1132 Asplenium normale Don.
1133 Dennstaedtia ~~elmeri Copel~~? dennstaedtioides. Copel.
1134 Humata vestita J. Sm.
1135 Selaginella
1136 Selaginella
1137 Asplenium insticium Brack.
1138 Polypodium erythroyrichum Copel.
1139 Hymenophyllum
1140 Asplenium lepturus J. Sm.
1141 Athyrium brevipinnulum Copel.
1142 Humata repens Diels
1144 Lycopodium clavatum L.var. divaricatum Wall.
1145 Onychium japonicum (Thunb.)Kze.
1146 Asplenium exiguum Bedd.
1147 Hymenophyllum
1148 Asplenium lepturus J. Sm.
1149 Polypodium multicaudatum Copel?
1150 Trichomanes cupressoides Desv.
1151 Selaginella
1152 Asplenium normale Don.
1153 Elaphoglossum petiolatum (Sw.) Urb.
1154 Nephrolepis cordifolia Presl.
1155 Polypodium benguetense Copel.
1156 Lycopodium pinifolium Desv.

No.
1157 Cyclophorus sticticus J. Sm.
1159 Gleichenia dolosa Copel.
1160 Hymenophyllum
1161 Polypodium elmeri Copel.
1162 Hymenolepis spicata (L.)
1163 Diacalpe aspidioides Bl.
1165 Diacalpe?
1166 Asplenium lepturus J.Sm.
1167 Polystichum varium (L.) Presl.
1168 Asplenium lepturus J.Sm.
1170 Loxogramme parallela Copel.
1171 Asplenium lepturus J.Sm.
1172 Athyrium platyphyllum Copel.
1173 Polystichum carvifolium Presl.
1174 Asplenium insiticum Brack.
1175 Athyrium platyphyllum Copel.
1177 Lycopodium serratum thunb.
1178 Hymenolepis platyrhynchos
1179 Davallia bullata Wall.
1180 ~~Humata immersa~~ Leucostegia immersa Pr.
1181 Asplenium insiticum Brack.
1183 Cheilanthes horizontalis Kaulf.
1184 Vittaria alternans Copel
1186 Asplenium lepturus J. Sm.
1187 Dryopteris hirtipes (Bl.) Kz.
1188 Asplenium normale Don.
1190 Asplenium lepturus J.Sm.
1191 Vittaria elongata Sw.
1192 Athyrium nigripes var. mearnsianum Copel.
1193 Hymenolepis spicata (L. f.)
1194 Onychium japonicum (Thbg.) Kze.
1195 Adiantum
1196 Selaginella microphyllum Sw.
1198 Diacalpe aspidioides Bl.
1199 Polystichum batjanense Christ.
1200 Coniogramme javanica Copel.
1201 Loxogramme parallela Copel.
1202 Lycopodium pinifolium Desv.
1203 Asplenium normale Don.
1204 Polypodium subauriculatum Bl.
1205 Polystichum diltodon var. verrucosum Forst.
1206 Microlepia rhomboidea Presl.
1207 Selaginella
1208 Lycopodium volubile Forst.
1209 Polystichum amabile (Bl.) J. Sm.
1210 Polypodium elmeri Copel.
1211 Hymenolepis platyshynchos (J. Sm.) Kbze
1212 Drymoglossum carnosum Kock.
1213 Oleandra cumingii J. Sm.
1214 Diplazia conjugata Reinw.
1215 Doryopteris concolor Kuhn.
1216 Dryopteris syrmatica (Willd) Ok.

*1158 Nephrolepis radicans (L.) Sw.

Botanical Collection of Dr. Le Roy Topping.

Hawaiian Islands.

No.	Date.	Location. Island of Oahu.
2630-1	March 18, 1923	Waimalu Gulch
2632	April 15	Waiawa Valley
2633	" 29	Pauoa Flat
2634	" "	Pauoa Valley
2635	" 21	Tantalus (Mt.)
2636	" 21	Pauoa Valley
2637-40	May 6	Puu Kaala
2641-42	" 13	Waiahole
2643-48	" 20	Bowman Trail Ridge
2649-56	" 27	Makua Valley
2657-64	June 3	Tantalus (Mt.)
2665-68	" 17	Mango Grove
2669-82	July 1	Puu Lanipo
2683-85	" 4	Waiahole Tunnel
2686-90	" 8	South Halawa Gulch
2691-92	" 13	Mango Grove.
2693-98	" 21	Tantalus (Mt.)
2699	" 22	Lanakuli (Puu)
2700	" 28	Upper Manoa Valley
2701-8	" 29	Waiahole-Waikane Trail
2709-11	August 18	Sacred Falls
2712	September 2	Kahana Bay Trail
2713-17	" 12	Upper Kalihi Valley
2718-19	September 22	Tantalus (Mt.)
2720	October 7	Puu Kaala
2721	October 17	Tantalus (Mt.)
2722	October 21	Waianae
2723-4	November 11	Palehua
2725	November 18	Niu Ridge
2726-34	November 29	Puu Lanakuli
2735-38	December 16	Waikane-Waiahole Trail
2739-40	January 13, 1924	Wailupe-Niu Valley
2741-44	January 27	Fire Break Trail
2745-49	February 17	Waimano Gulch
2750-53	March 9	Kuaoa Trail
2754-58	March 16	Sacred Falls
2759	March 23	Wailupe-Niu
2760	March 30	Puu Lanakuli
2761-3	March 30	Kaaaa-Iki Valley
2764-9	April 13	Wahiawa-Waikane Trail
2770-2770a	May 11	Puu Kaala
2771-73	May 30	Waimano Gulch
2774-78	June 8	Puu Ohulehule
2779	June 8	Puu Ohulehule
2780	June 11	Puu Lanipo
2781-86	June 11	Puu Lanipo
2787-91	June 15	Puu Konahuanui
2792-98	June 22	Puu Kaua
2799	June 29	Waikane-Waiahole Trail
2800-1	July 4	Waialae-Iki Valley
2802-4	July 20	Ridge between Puu Manoa and Puu Kapapa
~~2805~~	~~July 28~~	~~Puu Kaala~~
2806	August 7	Haena-Kalalau Trail Isl. Kauai
2807-09	August 10	Olokele Canyon
2810	August 11	Kilelii Trail
2811	August 12	Kilohana Trail
2812-15	August 17	Waialeale

Botanical Collection of D. Le Roy Topping.

Sheet No. 2

Hawaiian Islands.

No.	Date.	Location. Island of Oahu.
2816-22	August 24, 1924.	Manoa Valley
2823	August 30	Pauoa Valley
2824-31	August 31	Bowman Trail
2832-41	September 6	Kaimuki, Honolulu
2842-54	September 7	Niu Ridge
2855-68	September 14	Puu Kalena
2869	September 21	Fire Break Trail
2870-79	September 21	Puu Kaala
2880-1	September 28	Fort Shafter Ridge
2882-86	September 28	Upper Moanalua Valley
2887-92	October 3	Niu Ridge
2893	October 5	Puu Olomana
2894-6	October 12	Moanalua Valley
2897-2905	October 21	Kaimuki, Honolulu
2906-9	October 31	Makiki Trail
2910	October 31	Manoa Cliff Trail
2911	October 31	Pauoa Valley
2912	November 15	Makiki Valley
2913	November 16	Waimalu Gulch
2914-27	November 23	Pupukea-Kahuku Trail
2928-36	November 27	Waialua Beach
2937-42	November 30	Niu Ridge
2943-51	December 7	Puu Uau
2952-57	December 14	Waikane-Waiahole Trail
2958-60	December 21	Waiawa Valley
2961	December 21	Waiahole Ditch Trail
2962-69	December 28	Puu Konahuanui
2970-5	January 4, 1925	South Halawa Gulch
2976-84	January 11	Wailupe Ridge
2985	January 18	Bowman Trail
2986	January 18	Kalihi Valley
2987-95	January 21	Kaimuki, Honolulu
2996	January 21	Queen & Alakea Sts. Honolulu
2997	January 25	Du Pointe Trail
2998	January 25	Puu Kaala
2999-3004	January 31	Upper Manoa Valley
3005-17	February 1	Waimanalo
3018	February 8	Nanakuli
3019-23	February 14	Upper Manoa Valley
3024-36	February 15	Koko Head Crater
3037	February 15	Koko Head Road
3038-46	February 22	Makaleha Valley
3047-48	March 1	Fort Shafter Ridge
3049-53	March 1	Upper Moanalua Valley
3054-66	March 8	Wahiawa-Waikane Trail
3067	March 15	Manoa Ridge
3068-71	March 21	Kaimuki, Honolulu
3072-79	March 22	Mt. Olympus
3080-91	April 5	Pupukea-Kuhuku Trail
3092	April 12	Mt. Tantalus
3093-99	April 12	Manoa Cliff Trail
3100-08	April 19	Waianae Valley
3109-24	April 26	Waimano Gulch
3125	May 1	S. King St. Honolulu
3126-41	May 3	Puu Kaua
3142-49	May 10	Puu Lanahuli
3150-56	May 17	Hauula Valley
3157-65	May 24	Puu Lanipo
3166-67	May 30	Makua Valley
3168-74	May 31	Kaena Point Ridge
3175-76	June 7	Waimalu Gulch
3177-85	June 11	Upper Palolo Valley
3186-93	June 14	Puu Kaala
3194-96	June 21	Kahana Valley
3197-3203	June 25	Kaimuki, Honolulu
3204	July 5	Mt. Palikea
3205	July 5	Palehua
3206	July 12	Pali Road

Botanical Collection of D. Le Roy Topping.

Hawaiian Islands - Island of Oahu. Sheet No. 3

No.	Date.	Location.
3209-14	July 12	Waimanalo Road
3215-22	July 19	Opaeula
3223-26	August 2, 1925	Puu Konahuanui
3227	August 2	Upper Manoa Valley
3228-29	September 6	Manoa Cave
3230-32	September 6	Woodlawn Trail
3233-34	September 6	Mt. Olympus
3235-41	September 13	Puu Lanahuli
3242-43	September 19	Manoa Cliff Trail
3244-45	September 20	Fire Break Trail
3246	September 26	Manoa Cliff Trail
3247-50	September 26	Pauoa Valley
3251-58	October 4	Pupukea-Kahuku Trail
3259	October 18	Wailupe Ridge
3260	October 18	Wailupe Valley.
3261-2	October 24	Makapuu Point
3263-70	November 25	Mt. Olympus
3271	December 27	Wahiawa-Waikane Trail
3272	January 2 1926	Moanalua
3273-75	January 3	Waikane-Waiahole Trail
3276-78	February 7	Puu Konahuanui
3279	February 14	South Halawa Gulch
3280-84	February 21	Kawaihapai Gulch
3285	March 7	Pupukea-Kahuku Trail
3286-7	March 21	Puu Kaua
3288	May 9	Kahana Trail
3289-90	June 27	Waikane
3291-92	July 26	Waikano-Waiahole Trail
3293	August 15	Puu Kaala
3294-95	October 9	Kawela Bay
3296	December 25	Hanauma Bay.

Oct 2. My Trip to Borneo.

Oct 2. After a most strenuous fortnight's work in the office I endeavoured to take a "peach tiffin siesta" but at 2.30 my telephone roused me and I was informed that the S.S "Romulus" would sail at 3. I rushed home to change and get to the boat only to learn that the time set for sailing was 4 and we finally left about at about 5 in a downpour. Almost every place on deck was crowded but we were forced out of the line of sight and sprayed by downpours with a fine sunset over Mt. Marivales. Struggled with luggage in my stateroom which I think will be the only one I shall find it in. Had our dinner at seven, Spanish style with its "vino tinto" of which I am very fond: soon after I went to bed on deck on a Filipino cot several sizes too short with all the bed clothes and several sizes too short due the strenuous days work has tired me so, that stretching out on a bare board would be welcome.

Tues.
Oct 3

Was so tired that I could scarcely sleep much last night. Had usual tea and bath early, my hair forced burning and then tackled the Spanish bath: two pails of water, one "salado" and one "dulce" and a small can painted red which is spread over myself.

Now warning of my tired-to-death feeling and our reading the odds and ends of my papers and arranging and writing up my diary.

Sure we can close to some very fascinating looking islands: rocky and wooded to the top: might be interesting botanically if they proved uninhabited.

Sat here in rocky much of the day with occasional showers a very restful sort of day.

Sat out on deck after dinner and talked with Mr. Lewis, Col. Shoultz and a Mr. Beach, the only Americans around. Ran close to some lights here in the evening and during the day the Gov. Forster passed us and we met the S.S. "Cuba" Toted some off & on deck.

Feb. 11 We made defiant light and had tea and toast on board and then my "tin-can" bath. We had an early breakfast just as we came to anchor at Sebu.

Lieut Lawson and I went ashore together, walked over to the club and then we got a nice and decent room and the tours, in such clothes and better surprising bills than I expected. I had to wait two days for Lieut Quate and I took with the usual Spanish "manana" habit did not get away until 11. Dr Lawson took Chaplain & Mr. Beach and left the boat at Sebu. As we left Sebu three U.S. torpedo boats destroyers steamed out along side of us but soon left us in the distance. Nothing more to see on the run from Sebu to Dumaguete: reached the latter place at about 6 but I did not go ashore. It has a beautiful location at the foot of a high mountain Cuernos de Negros. (The horns of Negros.) I had some bolang in the evening and went to bed quite early. Everybody is asleep.

I [illegible] bath and an early breakfast. [illegible] in [illegible] Saturday, but then [illegible] the [illegible] the [illegible] Hospital; [illegible] and [illegible] the [illegible] and [illegible] Miss Riddle, [illegible] through the [illegible] and then [illegible] to the [illegible] and [illegible] back for [illegible] Miss Riddell and Mr. [illegible] the morning.

I got back [illegible], had a bath and changed clothes [illegible] and [illegible]. After dinner I called on Mr. [illegible], an engineer [illegible].

Loafed around the hotel, walked down to the wharf to see the Romulus and then [illegible] my [illegible] and [illegible]

[illegible] time and had breakfast with the others. Walked down to the wharf and looked [illegible] the steam ship Mo's [illegible]; then back to the hotel and then down the beach collecting shells and stopped at the [illegible] to see Miss Biddle. Went to the office and paid for a ticket to Boston $2.20 and then came for lunch. Took a little nap and then packed up; went down to Sebago and had some clam oil lunch and Mr. Gilmore and all five went down to Sebago with my luggage; I stood to see Mr. Dayment but he was out.

Came back to the hotel for dinner and at 8, went aboard my boat, and we sailed for home at nine. It did a little sunfishing and sat up on deck for a time. It is a beautiful night, with an opal moon. Retired at 10

[illegible] with the [illegible] night on account of [illegible] and we could [illegible] also [illegible]; I had [illegible] and [illegible] both, [illegible] and then [illegible] on [illegible]. [illegible] Brent on the [illegible] and walked through the Hare market with him; he was looking for an industrial school. Went to the Prince and Hare hotel looking for the Clemens; met Major Chapman and some other officers there and found that the Clemens had gone on the mountain. After tiffin on the boat I called on the Fairs where the Clemens are stopping and Mrs. F. and I packed up their things. Mr. F. came to the boat and we had tea, then to the terrace [illegible] and then to the Fairs for a drink. The Clemens came in about dark and we hurried them on the boat. We were to sail at 2 but did not get off until 7. After dinner I loafed on deck until about 10. It is a tropical moonlight night.

Sat.
Oct. 16

My stateroom was so hot that I went up on deck and slept as much as possible with my sore mouth. Went up early and had tea and my bath and breakfast at 8.30. I spent most of the forenoon in watching the Clemens fruit their friends in Toronto; helped Mrs. Clemens with some of the fruit. We got into Sandy Bay B. N. B. between 12 and 1 and came up to the wharf. At Dr. Orme and another gentleman called on me. After tiffin my mouth became so painful that I walked up to Dr. Orme's house; had tea with him and the warm tea caused the abscess in my mouth to break giving me great relief. Later we went out for a walk and saw many interesting plants and I collected two hypodermics; came home with Dr. Orme for dinner; we had a little chat on botanical things and then he came down to the boat with me. The Dr. is a much interesting and charming man.

Sun.

Oct. 17 I had a good nights sleep last night: was awake for a moment given sunrise: had tea and wrote up my diaries and had breakfast at 8.30: started out almost immediately and took the road leading down the coast: found many of the ferns in common with the P.I.: got a very interesting asplenium? in a lime stone cover. Got pretty warm and reached the boat at 12 just ahead of a shower: had a bath and changed before tiffin.

Put my plant. in press in a shed on the wharf. Dined and had tea and then Dr. Osmo came and we picked up the Clemens and went for a walk out toward the insane asylum and found many interesting things: got track of Lycodium dichotomum? Had a most delightful time with Dr. Osmo. Loafed on deck after dinner and went to bed early.

Mon.
Oct. 18 I was up early and had tea and changed the driers on my plants before breakfast.
Chaplain and Mr. Clemens and I started out over the same road we walked last night. Chaplain killed a long snake about 6 feet, a most beautiful green. Everything was most interesting. I found some fine specimens of Lygodium dichotomum? and a few other interesting ferns and one little tree which we think may be the mahogany tree. I left the Clemens in the field and came home and had my bath before tiffin. Went out in the native quarter in the afternoon and did a little shopping; got my cash fixed and some money changed and wrote some postals.

We sailed for Kandah at about 6.30.

I put my plants in press after dinner and went to bed on deck at about 10.

Tues.
Oct 18

[illegible]

After tiffin the [illegible]
[illegible] on the [illegible]
[illegible]

[illegible],
[illegible] 21

[illegible] rained a little in the
morning [illegible] [illegible] [illegible] [illegible]
as I had on my [illegible] [illegible] suit.
At ten the Captain [illegible] [illegible]
up and we all [illegible] call on the
Governor; found him a fine type
of the [illegible]; he was pleasant;
gave me [illegible] maps of [illegible]
and a letter to the Resident.
We [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] a member of the
[illegible] family, [illegible] [illegible] [illegible]
to [illegible] with the [illegible] [illegible]
and [illegible] [illegible] [illegible] [illegible] in
[illegible] [illegible] [illegible] [illegible]
[illegible] and [illegible]
[illegible] [illegible] [illegible] [illegible] the [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] and [illegible] and
offered to [illegible] [illegible] any [illegible]
he could, [illegible] [illegible] [illegible]
[illegible] [illegible] of [illegible] [illegible] [illegible]
[illegible] a few things.
At night [illegible] [illegible] and I
[illegible] a [illegible] of [illegible] [illegible]
[illegible] of Kina Balu. We had a fine
view of Mt. Kina Balu from the
Governor's Office

C.1.22

[illegible]

Col. 23

[illegible]

[illegible]

[illegible] "Bangfield" [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] Hastings. The coolies

[illegible] a little later: we had

[illegible] of [illegible] & Rushes [illegible]

[illegible] of Machintosh Toffee

[illegible]

[illegible]; We
had some fried rice and bacon
for breakfast. I [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] got back [illegible]
in the dark and the men went out
with lights for them; they got in
at 8.15. I took my meal after
dinner and went to bed [illegible]
[illegible]

U.L. 30

Sun. I was up at six and went down to the river for [illegible] for a bath fast and then we packed up and all left Kamng together: had to wade the river several times and then we climbed up some hills and kept on the rise most [illegible] time:

Views of Nina Balu

I saw but very little in the plant line that [illegible] collect. We got to Nian at about one just after a little sprinkle, the first rain we have had since we [illegible] the afternoon in fixing up the house and getting things [illegible]. [illegible] hief and Sumfah [illegible] in us and showed [illegible] letters of recommendation. We had [illegible] by [illegible] and I [illegible]

30.0 +2

1100

Sun,
Oct 31 [illegible] in the
night with different [illegible]
[illegible] the village
[illegible]
[illegible]
[illegible]. After breakfast [illegible]
[illegible]
I went for a little walk and
collected a few ferns and a bunch
of [illegible] and
the [illegible].
[illegible] and [illegible]
[illegible]
[illegible]
[illegible]
[illegible] and collected some of the
old familiar ferns and one
orchid in fruit. Our "public
reception room" has visitors all
the time. [illegible]
are planning for a real dinner.
[illegible]
[illegible] a [illegible] dinner
[illegible]
[illegible] had [illegible]
[illegible]

Wed.
Jan. 3

I was awake quite early and up before six. After the breakfast, [illegible] came down and [illegible] about that I had two [illegible] to [illegible] with me and [illegible] up the ridge back of the [illegible] house and dragged down into the same valley where I went Monday but I went down the stream instead. I found quite a few [illegible] to collect, many of them new and others familiar. Climbed straight out end of the valley and came to the edge of a wide field where [illegible] came [illegible], [illegible] started up [illegible] to the ridge again and [illegible] the [illegible] to the [illegible], on the top I [illegible] my [illegible] [illegible]. Reached home in time for a late lunch then came putting plants in press, changing driers, supper, a smoke and then the writing of my journal and then to bed

[illegible]

Saint
Nov. 5

did not sleep any last night
as I am used to sleeping alone.
We up at daylight and went to the
stream for a wash and then I
hired boat full of natives and lie-
down back in it did not go
ashore. The Chaplain had a great
display of medicines and all the
people on the island kept in line
to be treated with a few pills
on the front part of the boat
and Chaplain found a tough case
and he spent a few hours.
We did not leave till long
the time before we reached the
island. It needed a rain and then
we got a cool breeze in
the night and got quite cool.
We stopped 12.45 for lunch under
a big mark, then the bamboo
bridge was [illegible] that
we had crossed the last time I
was very tired when I got in
had some tea, a bath, very [illegible],
[illegible] more friends up-
on, finished up my Journal
and then to bed. The Chaplain and I
[illegible] the trip a great success

Jan.

Tues. 6 Last night [illegible] in our new [illegible] and I expected to [illegible] night and [illegible] up at daylight. After breakfast I put my new plant in frame and arranged [illegible], [illegible] in the morning [illegible] but [illegible] time.

[illegible] had [illegible] of a day [illegible] of it; in the afternoon I packed up my [illegible], with [illegible] bottles, [illegible] and [illegible] the [illegible]. [illegible] up the [illegible] and [illegible] with some of the [illegible] and [illegible] going to the top of the mountain. We added [illegible] to the [illegible] time.

We [illegible] again in the afternoon and after dinner I [illegible] my plant [illegible] and [illegible] and [illegible] the night [illegible] in. This is a wonderfully [illegible] and [illegible] [illegible].

[illegible], [illegible]

I was up before it was fairly light and looked after the breakfast; made a mess of the frogs(?) and sausages which I had cooked. The Captain and I walked up to the newly made graves on the hillside and then down the slope, then came back after the [illegible] and with three small dogs [illegible] through up on the [illegible] [illegible] which we found [illegible] in the evening [illegible] and I brought back a [illegible] of [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] in at about [illegible] [illegible] [illegible] of the [illegible], I put my planks(?) in [illegible] in the [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] lines [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] down and watched the light fade in the west and the darkness come in until only my 3 [illegible] [illegible] [illegible] the [illegible] against the sky, [illegible] into the darkness and then to bed.

[illegible]
[illegible]

[illegible] [illegible] [illegible] early and up
before the light [illegible] and [illegible]
[illegible] and [illegible] the [illegible] [illegible]
in. [illegible] [illegible] the [illegible]
[illegible] me [illegible] [illegible]. But
a boy had brought in and
I had him up on the [illegible]
of [illegible] and [illegible]
a [illegible] of it in a [illegible]
[illegible] field.
Came home and had time to dry
some clothes and change [illegible]
before dinner.
It was rather rainy in
the afternoon, and I began the
packing for the [illegible]; I
fixed up the "[illegible]"; some clothes
and specimens which I had
up to [illegible] house in the
late afternoon. [illegible] all day the
house has been full of [illegible]
and [illegible] has been around
and I think tried to stir up
[illegible] [illegible]. But [illegible] late dinner
and then I [illegible] [illegible] [illegible]
and [illegible] and [illegible] for the
night.

[illegible]

Wed. 11

Found not sleep last night and was up early and after [illegible] 7.3 [illegible] I [illegible] a little step and found some interesting things. The Klamens left me there and I moved on slowly and soon the rain came on and as I went higher [illegible] and it [illegible] difficult [illegible] and [illegible] I [illegible] that I [illegible] in the rain and ate my lunch in the rain. Then felt better and reached Paka-Paka at about 4. Things were very wet but I had dry clothes and soon felt better. "Banfield" was done up and made a great fuss, said Sherlock & Co., the Diplomatic [illegible] man was finished.

id.

Nov. 12 [illegible] cold, I had a discussion with "Canfield" in regard to [illegible] in his house keeping arrangements. The Chapman went down the trail to see about the Chinaman "Sherlock Holmes". He met Sumpat and Babar, the Kolu men then we went with them [illegible] the Sacrificial Rock [illegible] deposited [illegible] of charms and called to the mountain, turned around camp.

[illegible]

[illegible]

Nov. 13 This was the day of our ascent of [illegible] ([illegible], the native name) [illegible] got off at 7.00 and at the "[illegible] Rock" the bearers [illegible] a rest of 1 [illegible], the other [illegible] [illegible] we [illegible] to the [illegible] [illegible]; most of the way steep and [illegible] but later we followed the [illegible] in the [illegible]. Had some fine views of the valley below. Stopped to collect along the way and I found a [illegible] up in [illegible]. When we came up through [illegible] I we found it [illegible] and [illegible] for us and the [illegible], [illegible], [illegible] [illegible] and [illegible] [illegible] to [illegible]. [illegible] took the lead and at a little [illegible] near the base of [illegible] Peak we found a little [illegible] [illegible] and [illegible] [illegible] [illegible], [illegible] and [illegible]. [illegible] again took the lead and we climbed to the top of [illegible] Peak collecting more ferns, and almost everything [illegible] by the way. [illegible] at the peak we found

[illegible]

Lum.
No 14

[illegible]

and I fried some mush. B. and I had a little [illegible] whiskey and water before going to bed.

the dead Bluma-
man's (Hannah Hanna) things: I tied
in his blue cloth from my bag,
[illegible] yellow and [illegible]
a black [illegible] and [illegible] bag
and [illegible] off on the [illegible]
afraid and [illegible] a [illegible] of [illegible]
ing, [illegible] Hannah [illegible] for?
[illegible]
I did not [illegible] black [illegible]
yellow [illegible] [illegible] [illegible]
finished [illegible] the [illegible] and
children [illegible] from the
field, I [illegible] [illegible] in
[illegible]
[illegible]

It has been rather rainy
and windy and I worked
with my [illegible] [illegible].
We had an [illegible] dinner,
I tried to [illegible] [illegible] my [illegible]
by [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]

Mon,
Dec. 12

[illegible] then left plains and
[illegible] started at 7.15 for the Mani-Nui
Spring; went over the ridge back
of Nacau, the two lower ridges
of rice fields, passed [illegible]
in and turned the corner
water and then up on a ridge
with [illegible] and Mani-Nui fine
then stopped [illegible] to the Mani-Nui
[illegible] small and then up a
steep slope to a cave under a
rock (12.15) which the natives
[illegible] conditions, had some rock [illegible]
and then went up on the flat
[illegible] of Tau, Ati, Ati, Hualani and
Mani Nui, [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] (9)
Had a long rain, [illegible] flat
[illegible] [illegible] [illegible]
[illegible] cactus and [illegible]
rill and rose, (the Chinaman [illegible]
for dinner, then a [illegible] and
[illegible] had

Nov. 23 We were in such a comfort place
for night that I could not
sleep. So up and watched the
fire and heard the [illegible]
at 3.15. We then [illegible] fire
fresh and got into our warm
dried clothes. Then lay up to
the open space and the [illegible] so
let us go [illegible] the [illegible] in-
stead of [illegible] the land,
finally found the trail and
we climbed up to about 1000 ft
and [illegible] back to camp.
I found another fire and [illegible]
refreshed. We had [illegible]
and [illegible] 11.45 we
started for home. Had [illegible]
rain on the way back and
the trail was the [illegible]
bad, and [illegible] we [illegible]
and [illegible] 3.30
Had [illegible], then a chicken
dinner, then [illegible] and
I [illegible] up [illegible] and
then we all [illegible] up our
[illegible] by candle light. [illegible]
[illegible] in the [illegible]

Nov.

Nov 28

[illegible]

[illegible] Reached [illegible] at 10.15 [illegible]

[illegible]

[illegible]

[illegible]

S.O.J. I had a most lazy day today and we [illegible] on the fire, packed up first and then had breakfast and [illegible] Beta Band at 7. I walked [illegible] the fire but [illegible] up on the ridge and [illegible] a little [illegible], [illegible] and very [illegible].

At about 9 I took the [illegible] and [illegible] and my boy [illegible] well as the [illegible] in one of the [illegible] tripped [illegible]. [illegible] was [illegible] and fine in the sun. I [illegible] into the [illegible] at 11.30 and [illegible] for my boy [illegible] with my lunch. I got there [illegible] and [illegible] Beta Band at 3.30. Mr Buchanan (P.C.) is [illegible] but I took possession in his name. Had [illegible] a long [illegible] with food, [illegible] and some [illegible], [illegible] the fire and then [illegible] for my [illegible] and a little [illegible] [illegible] 2. [illegible] [illegible] and on a [illegible] [illegible]

[illegible]
Dec. 21

I was up at about 5.30 [illegible]
of the boys, had my bath and
made a breakfast of tea, bread
and jam. Had a [illegible] to
to bring the horses and for the [illegible]
to fetch up and [illegible] at 6.30, [illegible]
for an hour and a half [illegible] the food
[illegible] and collected the [illegible] and
some [illegible] of [illegible] [illegible] and
a [illegible], then made the [illegible]
a Tent [illegible], which [illegible] at 2.30
and [illegible] to [illegible] Bachelor [illegible]
the tent [illegible] [illegible]
[illegible] and [illegible] for [illegible],
[illegible] 2.45, [illegible]
[illegible] the mans [illegible]
[illegible] in the [illegible], [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
I [illegible] [illegible] [illegible]
found [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
about [illegible] [illegible]

Mon.
Nov. 29

I [illegible] and had [illegible] and [illegible] with [illegible], [illegible] and [illegible] who were stopping with him. I [illegible] [illegible] a [illegible] [illegible] and a [illegible] [illegible] [illegible] [illegible] a [illegible] and [illegible] [illegible] and [illegible] [illegible] [illegible] and [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], and [illegible] [illegible] and [illegible] [illegible] and [illegible] [illegible] [illegible] [illegible]. [illegible] finally [illegible] up a little and I got into the [illegible] at about [illegible] and [illegible] [illegible] [illegible] [illegible] [illegible] up my baggage, [illegible] [illegible] and [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible]

[illegible]

[illegible] and then the [illegible]

[illegible] and collected a [illegible] of the [illegible]

in the swamp and then passed

through the [illegible] fountains and

saw the [illegible] (?) running, then

we passed by the Pot [illegible] house

which was [illegible] of, saw [illegible] milk

& hairs and then found a [illegible] was

[illegible] off in [illegible] it was [illegible]

[illegible] of the [illegible], fed [illegible] plant

and in the [illegible] & the [illegible] was [illegible]

of [illegible] and milk, [illegible] [illegible]

[illegible] and the [illegible] of the a new

[illegible] and found a little [illegible], a

[illegible] like a [illegible], but [illegible]

plants in [illegible] figures [illegible]. Had [illegible]

[illegible] in the P.M. the [illegible]

taken under [illegible] [illegible]

with 11 [illegible]. Wrote a little

more on my letter to the [illegible]

[illegible] of [illegible] [illegible] and [illegible]

[illegible] [illegible] [illegible] [illegible].

Sat.

Dec. 4

[illegible]

[illegible] and [illegible] with.

[illegible] had [illegible] before [illegible].

[illegible]

Sunday
Dec. 6

It was cold & windy by daylight but I got up and took a walk over the hill again and daylight found at 7.00. All night it blew hard over the hill again and drifted down the other side of the camp and picked up a few things including a dozen or more of bags, one accounting up to 602! Some no seeds claim I collect under it all a few fern. The trees (Spathodea campanulata) with their red blossoms in front of the house look fine a few days ago.

The Delanges came into harbor as I was having tiffin; picked up nearly everything and then walked down to hill beyond and find the snake to measure at 5.00. Coming down again, Dayle came under and went to apened up a bundle of specimens and changed drier. Loafed around and took it rather easy: had my dinner about seven and then went to bed

Mon.
Dec 6

Had some heavy rains in the night. I was up before daylight. Had my tea and went up stairs and then breakfast.

The first thing in the morning I finished up my packing, then went to the P.O. and the R.Reg. station for the train to stop for my luggage: had rain and then saw all the fireworks and it was fairly clear at 12.15 when I took my luggage to the boat & quite lost off my mind.

I came back to the Rest House for tiffin, then settled up my bill (did not tip the head boy on acct. of the poor service) and then waited for the rain to stop: walked down to the Selangor at about 3.30 changed my clothes and then had some tea. The Capt. had a tea party but I did not join it.

We sailed for Kudat shortly after six: it is quite rough and I was a little uncertain towards the close of dinner: the storm is getting very bad. To bed at 10.

& quite relief to have left Seremban.

Tues.
Dec. 7 Had a horrible night of it with the thunder, lightning, wind rain and the noise of the boat: I think the boat anchored during part of the night. Daylight was a great relief. Had to turn in bed at 6.30 and as I had tendencies towards seasickness, my breakfast also and finally got up at 10.30 and had my bath & dressed.

We got into Tandah, in a heavy wind storm at about 12. and it has been terrific all the afternoon with spells of rain: it is the tail of a Philippines typhoon.

I went ashore for a few minutes in the afternoon and bought some post cards but it was so windy there was no pleasure in walking. Only one of the British passengers speaks to me — I ~~neither~~ want to borrow money nor an invitation to dinner. Am very thankful we are tied up to the wharf rather than at sea. Watched the storm from deck while after dinner and then to bed

Wed.
Dec. 8

The storm howled pretty much through the night but died down some towards morning. Was restless during the night and was up by daylight. Had tea and walk on deck: and we sailed for Sandakan at about 7. I felt lazy and tired and went back to bed and had breakfast there at about nine and got up and had my bath and dressed at 10.30. Loafed on deck until tiffin time. The clouds broke away in the morning and there has been quite a little sunshine but high wind and rough sea. We sighted the Bajayan Sulu Islands in the afternoon.

[illegible] a day of work and plain lazying: had a few little chats with a Mr. Maxwell Hall, an [illegible] friend of [illegible] on deck in the evening and had my military mucker until about 10 o'clock, then had to wind [illegible] clocks and then to bed.

Thur.
Dec. 9

We anchored ... arch ... in the bay at Kandahar about 11 o'clock last night. It was very early and had to run ashore with Mr. Maxwell Hall. Had my bath & dressed early and went ashore and bought some fresh eggs before breakfast. The Capt. and I had the meal alone. I took some specimens of fish of jiers, then went to the bay & to round bought my ticket, & then went around and called on Mr. Matthews & Dr. Foxworthy - changed some money and called at the office of "Herald" and then Foxworthy took me up to the house and Matthews & Dr. Orme joined us at lunch - a very delightful meal. I went down to the boat and Dr. Orme & Foxworthy came down for tea. I collected a little Ophioglossum in Matthews garden & saw some of the cassia fistula in blossom. We sailed for Galle at about 6. I am the only 1st class passenger. The Capt. and I dined together, had a little chin on deck later and then to bed.

[illegible]

[illegible] and [illegible] deck and looked at the [illegible] sandy beached islands and longed to explore them: [illegible] time looking [illegible] Jolo and after [illegible] inspection [illegible] [illegible] offer tiffin and [illegible] [illegible] tiffin [illegible] [illegible] send me on the [illegible] on Friday. Much aboard the [illegible] [illegible] the Jolo Hotel and [illegible] and hoped for dinner and [illegible] a [illegible] [illegible] 17.30, [illegible] [illegible]

drinks

H32